

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/853,253

DATE: 05/31/2001

TIME: 15:10:33

Input Set : A:\00-30seq.txt

Output Set: C:\CRF3\05312001\I853253.raw

3 <110> APPLICANT: JASPERS, STEPHEN
 4 SHEPPARD, PAUL
 5 DEISHER, THERESA
 6 BISHOP, PAUL
 8 <120> TITLE OF INVENTION: Zsig33-like Peptides
 10 <130> FILE REFERENCE: 00-30
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/853,253
 C--> 12 <141> CURRENT FILING DATE: 2001-05-10
 12 <150> PRIOR APPLICATION NUMBER: 60/203,300
 13 <151> PRIOR FILING DATE: 2000-05-11
 15 <160> NUMBER OF SEQ ID NOS: 28
 17 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 527
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: CDS
 26 <222> LOCATION: (50)...(400)
 28 <400> SEQUENCE: 1
 29 gaattcggct cgagctgcag gccacactgt ctgcaacca gctgaggcc 'atg ccc tcc 58
 30 Met Pro Ser
 31 1
 33 cca ggg acc gtc tgc agc ctc ctg ctc ctc ggc atg ctc tgg ctg gac 106
 34 Pro Gly Thr Val Cys Ser Leu Leu Leu Leu Gly Met Leu Trp Leu Asp
 35 5 10 15
 37 ttg gcc atg gca ggc tcc agc ttc ctg agc cct gaa cac cag aga gtc 154
 38 Leu Ala Met Ala Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val
 39 20 25 30 35
 41 cag cag aga aag gag tcg aag aag cca cca gcc aag ctg cag ccc cga 202
 42 Gln Gln Arg Lys Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
 43 40 45 50
 45 gct cta gca ggc tgg ctc cgc ccg gaa gat gga ggt caa gca gaa ggg 250
 46 Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln Ala Glu Gly
 47 55 60 65
 49 gca gag gat gaa ctg gaa gtc cgg ttc aac gcc ccc ttt gat gtt gga 298
 50 Ala Glu Asp Glu Leu Glu Val Arg Phe Asn Ala Pro Phe Asp Val Gly
 51 70 75 80
 53 atc aag ctg tca ggg gtt cag tac cag cag cac agc cag gcc ctg ggg 346
 54 Ile Lys Leu Ser Gly Val Gln Tyr Gln Gln His Ser Gln Ala Leu Gly
 55 85 90 95
 57 aag ttt ctt cag gac atc ctc tgg gaa gag gcc aaa gag gcc cca gcc 394
 58 Lys Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu Ala Pro Ala
 59 100 105 110 115
 61 gac aag' tgcacgccca caagccttac tcacctctct ctaagttag aagcgctcat 450
 62 Asp Lys
 65 ctggcttttc gcttgcttct gcagcaactc ccacgactgt tgtacaagct caggaggcga 510

ENTERED

see p. 5

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```

66 ataaatgttc aaactgt                                     527
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 117
70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 2
74 Met Pro Ser Pro Gly Thr Val Cys Ser Leu Leu Leu Leu Gly Met Leu
75   1           5           10           15
76 Trp Leu Asp Leu Ala Met Ala Gly Ser Ser Phe Leu Ser Pro Glu His
77           20           25           30
78 Gln Arg Val Gln Gln Arg Lys Glu Ser Lys Lys Pro Pro Ala Lys Leu
79           35           40           45
80 Gln Pro Arg Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln
81           50           55           60
82 Ala Glu Gly Ala Glu Asp Glu Leu Glu Val Arg Phe Asn Ala Pro Phe
83 65           70           75           80
84 Asp Val Gly Ile Lys Leu Ser Gly Val Gln Tyr Gln Gln His Ser Gln
85           85           90           95
87 Ala Leu Gly Lys Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu
88           100          105          110
89 Ala Pro Ala Asp Lys
90           115
92 <210> SEQ ID NO: 3
93 <211> LENGTH: 72
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
97 <220> FEATURE:
98 <221> NAME/KEY: CDS
99 <222> LOCATION: (1)...(72)
101 <400> SEQUENCE: 3
102 \gct cta gca ggc tgg ctc cgc ccg gaa gat gga ggt caa gca gaa ggg      48
103 Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln Ala Glu Gly
104   1           5           10           15
106 gca gag gat gaa ctg gaa gtc cgg /                                     72
107 Ala Glu Asp Glu Leu Glu Val Arg
108           20
111 <210> SEQ ID NO: 4
112 <211> LENGTH: 24
113 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 4
117 Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln Ala Glu Gly
118   1           5           10           15
119 Ala Glu Asp Glu Leu Glu Val Arg
120           20
122 <210> SEQ ID NO: 5
123 <211> LENGTH: 23
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens

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127 <400> SEQUENCE: 5

128 Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln Ala Glu Gly

129 1 5 10 15

130 Ala Glu Asp Glu Leu Glu Val

131 20

133 <210> SEQ ID NO: 6

134 <211> LENGTH: 23

135 <212> TYPE: PRT

136 <213> ORGANISM: Homo sapiens

138 <220> FEATURE:

139 <221> NAME/KEY: AMIDATION

140 <222> LOCATION: (23)...(23)

142 <400> SEQUENCE: 6

143 Ala Leu Ala Gly Trp Leu Arg Pro Glu Asp Gly Gly Gln Ala Glu Gly

144 1 5 10 15

145 Ala Glu Asp Glu Leu Glu Val

146 20

148 <210> SEQ ID NO: 7

149 <211> LENGTH: 72

150 <212> TYPE: DNA

151 <213> ORGANISM: Artificial Sequence

153 <220> FEATURE:

154 <223> OTHER INFORMATION: degenerate sequence

156 <221> NAME/KEY: misc_feature

157 <222> LOCATION: (1)...(72) /

158 <223> OTHER INFORMATION: n = A,T,C or G

160 <400> SEQUENCE: 7

W--> 161 gcnytgngcng gntgggynmg nccngargay ggnggncarg cngarggngc ngargaygar 60

W--> 162 ytnargtnm gn 72

164 <210> SEQ ID NO: 8

165 <211> LENGTH: 75

166 <212> TYPE: DNA

167 <213> ORGANISM: Homo sapiens

169 <220> FEATURE:

170 <221> NAME/KEY: CDS

171 <222> LOCATION: (1)...(75)

173 <400> SEQUENCE: 8

174 ttc aac gcc ccc ttt gat gtt gga atc aag ctg tca ggg gtt cag tac 48

175 Phe Asn Ala Pro Phe Asp Val Gly Ile Lys Leu Ser Gly Val Gln Tyr

176 1 5 10 15

178 cag cag cac agc cag gcc ctg ggg aag / 75

179 Gln Gln His Ser Gln Ala Leu Gly Lys

180 20 25

183 <210> SEQ ID NO: 9

184 <211> LENGTH: 25

185 <212> TYPE: PRT

186 <213> ORGANISM: Homo sapiens

188 <400> SEQUENCE: 9

189 Phe Asn Ala Pro Phe Asp Val Gly Ile Lys Leu Ser Gly Val Gln Tyr

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```

190      1              5              10              15
191  Gln Gln His Ser Gln Ala Leu Gly Lys
192              20              25
194 <210> SEQ ID NO: 10
195 <211> LENGTH: 24
196 <212> TYPE: PRT
197 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 10
200  Phe Asn Ala Pro Phe Asp Val Gly Ile Lys Leu Ser Gly Val Gln Tyr
201      1              5              10              15
202  Gln Gln His Ser Gln Ala Leu Gly
203              20
205 <210> SEQ ID NO: 11
206 <211> LENGTH: 23
207 <212> TYPE: PRT
208 <213> ORGANISM: Homo sapiens
210 <220> FEATURE:
211 <221> NAME/KEY: AMIDATION
212 <222> LOCATION: (23)...(23)
214 <400> SEQUENCE: 11
216  Phe Asn Ala Pro Phe Asp Val Gly Ile Lys Leu Ser Gly Val Gln Tyr
217      1              5              10              15
218  Gln Gln His Ser Gln Ala Leu
219              20
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 75
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: degenerate sequence
230 <221> NAME/KEY: misc_feature
231 <222> LOCATION: (1)...(75) /
232 <223> OTHER INFORMATION: n = A,T,C or G
234 <400> SEQUENCE: 12
W--> 235  ttyaaygcnc cnttygaygt nggnathaar ytnwsnggng tncartayca rcarcaywsn      60
W--> 236  cargcnytn gnaar      75
238 <210> SEQ ID NO: 13
239 <211> LENGTH: 51
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: CDS
245 <222> LOCATION: (1)...(51)
247 <400> SEQUENCE: 13
248  \ttt ctt cag gac atc ctc tgg gaa gag gcc aaa gag gcc cca gcc gac      48
249  Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu Ala Pro Ala Asp
250      1              5              10              15
252  aag /      51
253  Lys

```

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Input Set : A:\00-30seq.txt

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```

257 <210> SEQ ID NO: 14
258 <211> LENGTH: 17
259 <212> TYPE: PRT
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 14
263 Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu Ala Pro Ala Asp
264 1 5 10 15
265 Lys
268 <210> SEQ ID NO: 15
269 <211> LENGTH: 16
270 <212> TYPE: PRT
271 <213> ORGANISM: Homo sapiens
273 <400> SEQUENCE: 15
274 Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu Ala Pro Ala Asp
275 1 5 10 15
277 <210> SEQ ID NO: 16
278 <211> LENGTH: 16
279 <212> TYPE: PRT
280 <213> ORGANISM: Homo sapiens
282 <220> FEATURE:
283 <221> NAME/KEY: AMIDATION
284 <222> LOCATION: (16)...(16)
286 <400> SEQUENCE: 16
287 Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu Ala Pro Ala Asp
288 1 5 10 15
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 15
292 <212> TYPE: PRT
293 <213> ORGANISM: Homo sapiens
295 <220> FEATURE:
296 <221> NAME/KEY: AMIDATION
297 <222> LOCATION: (15)...(15)
299 <400> SEQUENCE: 17
300 Phe Leu Gln Asp Ile Leu Trp Glu Glu Ala Lys Glu Ala Pro Ala
301 1 5 10 15
303 <210> SEQ ID NO: 18
304 <211> LENGTH: 51
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: degenerate sequence
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (1)...(51)
314 <223> OTHER INFORMATION: n = A,T,C or G
316 <400> SEQUENCE: 18
W--> 317 ttttntcarg ayathyntg ggargargcn aargargcnc cngcngayaa r
319 <210> SEQ ID NO: 19
320 <211> LENGTH: 30
321 <212> TYPE: DNA

```

51

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

file://C:\CRF3\Output\05312001\I853253.raw

5/31/01

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/853,253

DATE: 05/31/2001

TIME: 15:10:34

Input Set : A:\00-30seq.txt

Output Set: C:\CRF3\05312001\I853253.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7

L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7

L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12

L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12

L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18

L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23

L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27